

# Css Utility Classes

CSS Utility Classes Play+ provides an extensive set of utility classes for spacing, layout, and styling. These classes follow a consistent naming convention and are designed to work seamlessly with the grid system.

**Spacing Utilities** ■ The spacing system uses a scale based on rem units, providing consistent spacing across your application.

**Spacing Scale** ■ Class Size Value 0 0 0rem 1 0.25 0.25rem (4px) 2 0.5 0.5rem (8px) 3 1 1rem (16px) 4 1.5 1.5rem (24px) 5 3 3rem (48px) 6 3.5 3.5rem (56px) 7 4 4rem (64px) 8 5 5rem (80px) 9 6 6rem (96px) 10 8 8rem (128px) 11 10 10rem (160px) 12 12 12rem (192px) 13 14 14rem (224px) 14 16 16rem (256px)

**Margin Utilities** ■ All Sides ■ < div class = " m-0 " > No margin </ div > < div class = " m-1 " > Small margin (0.25rem) </ div > < div class = " m-2 " > Medium margin (0.5rem) </ div > < div class = " m-3 " > Large margin (1rem) </ div > < div class = " m-4 " > Extra large margin (1.5rem) </ div > < div class = " m-5 " > Huge margin (3rem) </ div >

**Individual Sides** ■ < div class = " mt-3 " > Top margin </ div > < div class = " mb-3 " > Bottom margin </ div > < div class = " ms-3 " > Start margin (left in LTR) </ div > < div class = " me-3 " > End margin (right in LTR) </ div >

**Horizontal and Vertical** ■ < div class = " mx-3 " > Horizontal margin (left and right) </ div > < div class = " my-3 " > Vertical margin (top and bottom) </ div >

**Auto Margins** ■ < div class = " m-auto " > Auto margin on all sides </ div > < div class = " mx-auto " > Center horizontally </ div > < div class = " ms-auto " > Push to the right </ div > < div class = " me-auto " > Push to the left </ div >

**Negative Margins** ■ < div class = " m-n1 " > Negative margin (-0.25rem) </ div > < div class = " mt-n2 " > Negative top margin (-0.5rem) </ div > < div class = " mx-n3 " > Negative horizontal margin (-1rem) </ div >

**Padding Utilities** ■ All Sides ■ < div class = " p-0 " > No padding </ div > < div class = " p-1 " > Small padding (0.25rem) </ div > < div class = " p-2 " > Medium padding (0.5rem) </ div > < div class = " p-3 " > Large padding (1rem) </ div > < div class = " p-4 " > Extra large padding (1.5rem) </ div > < div class = " p-5 " > Huge padding (3rem) </ div >

**Individual Sides** ■ < div class = " pt-3 " > Top padding </ div > < div class = " pb-3 " > Bottom padding </ div > < div class = " ps-3 " > Start padding (left in LTR) </ div > < div class = " pe-3 " > End padding (right in LTR) </ div >

**Horizontal and Vertical** ■ < div class = " px-3 " > Horizontal padding (left and right) </ div > < div class = " py-3 " > Vertical padding (top and bottom) </ div >

**Responsive Spacing** ■ All spacing utilities are available with responsive prefixes: < div class = " m-3 m-md-4 m-lg-5 " > <!-- 1rem margin on mobile, 1.5rem on tablet, 3rem on desktop --> </ div > < div class = " p-2 p-sm-3 p-md-4 " > <!-- 0.5rem padding on mobile, 1rem on tablet, 1.5rem on desktop --> </ div >

**Responsive Breakpoints** ■ sm- ( $\geq 576px$ ) md- ( $\geq 768px$ ) lg- ( $\geq 992px$ ) xl- ( $\geq 1200px$ ) xxl- ( $\geq 1400px$ )

**Grid Gutters** ■ Gutter Classes ■ < div class = " row g-0 " > <!-- No gutters --> < div class = " row g-1 " > <!-- 0.25rem gutters --> < div class = " row g-2 " > <!-- 0.5rem gutters --> < div class = " row g-3 " > <!-- 1rem gutters --> < div class = " row g-4 " > <!-- 1.5rem gutters --> < div class = " row g-5 " > <!-- 3rem gutters --> </ div > </ div > </ div > </ div > </ div >

**Directional Gutters** ■ < div class = " row gx-3 " > <!-- Horizontal gutters only --> < div class = " row gy-2 " > <!-- Vertical gutters only --> </ div > </ div >

**Responsive Gutters** ■ < div class = " row g-2 " >

g-md-3 g-lg-4" > <!-- Different gutter sizes at different breakpoints --> </ div > Display Utilities ■  
Display Classes ■ < div class = " d-none " > Hidden < / div > < div class = " d-block " > Block  
display < / div > < div class = " d-inline " > Inline display < / div > < div class = " d-inline-block " >  
Inline-block display < / div > < div class = " d-flex " > Flexbox display < / div > < div class = "  
d-inline-flex " > Inline flexbox < / div > < div class = " d-grid " > Grid display < / div > < div class = "  
d-inline-grid " > Inline grid < / div > Responsive Display ■ < div class = " d-none d-md-block " > <!--  
Hidden on mobile, visible on tablet and up --> < / div > < div class = " d-block d-lg-none " > <!--  
Visible on mobile/tablet, hidden on desktop --> < / div > Flexbox Utilities ■ Flex Direction ■ < div  
class = " d-flex flex-row " > Row (default) < / div > < div class = " d-flex flex-row-reverse " > Row  
reverse < / div > < div class = " d-flex flex-column " > Column < / div > < div class = " d-flex  
flex-column-reverse " > Column reverse < / div > Flex Wrap ■ < div class = " d-flex flex-wrap " >  
Wrap < / div > < div class = " d-flex flexnowrap " > No wrap < / div > < div class = " d-flex  
flex-wrap-reverse " > Wrap reverse < / div > Justify Content ■ < div class = " d-flex  
justify-content-start " > Start < / div > < div class = " d-flex justify-content-end " > End < / div > < div  
class = " d-flex justify-content-center " > Center < / div > < div class = " d-flex  
justify-content-between " > Between < / div > < div class = " d-flex justify-content-around " >  
Around < / div > < div class = " d-flex justify-content-evenly " > Evenly < / div > Align Items ■ < div  
class = " d-flex align-items-start " > Start < / div > < div class = " d-flex align-items-end " > End < /  
div > < div class = " d-flex align-items-center " > Center < / div > < div class = " d-flex  
align-items-baseline " > Baseline < / div > < div class = " d-flex align-items-stretch " > Stretch < / div  
> Align Self ■ < div class = " align-self-start " > Start < / div > < div class = " align-self-end " > End  
< / div > < div class = " align-self-center " > Center < / div > < div class = " align-self-baseline " >  
Baseline < / div > < div class = " align-self-stretch " > Stretch < / div > Flex Fill ■ < div class = "  
d-flex " > < div class = " flex-fill " > Equal width < / div > < div class = " flex-fill " > Equal width < / div  
> < div class = " flex-fill " > Equal width < / div > < / div > Text Utilities ■ Text Alignment ■ < p class = "  
text-start " > Left aligned < / p > < p class = " text-center " > Center aligned < / p > < p class = "  
text-end " > Right aligned < / p > < p class = " text-justify " > Justified < / p > Text Transform ■ < p  
class = " text-lowercase " > lowercase text < / p > < p class = " text-uppercase " > UPPERCASE  
TEXT < / p > < p class = " text-capitalize " > Capitalized Text < / p > Font Weight ■ < p class = "  
fw-bold " > Bold text < / p > < p class = " fw-bolder " > Bolder text < / p > < p class = " fw-normal " >  
Normal weight < / p > < p class = " fw-light " > Light text < / p > < p class = " fw-lighter " > Lighter  
text < / p > Font Style ■ < p class = " fst-italic " > Italic text < / p > < p class = " fst-normal " > Normal  
style < / p > Position Utilities ■ Position Classes ■ < div class = " position-static " > Static  
positioning < / div > < div class = " position-relative " > Relative positioning < / div > < div class = "  
position-absolute " > Absolute positioning < / div > < div class = " position-fixed " > Fixed  
positioning < / div > < div class = " position-sticky " > Sticky positioning < / div > Top, Right, Bottom,  
Left ■ < div class = " top-0 " > Top: 0 < / div > < div class = " top-50 " > Top: 50% < / div > < div  
class = " top-100 " > Top: 100% < / div > < div class = " start-0 " > Start: 0 (left in LTR) < / div > < div  
class = " start-50 " > Start: 50% < / div > < div class = " start-100 " > Start: 100% < / div > < div class = "  
bottom-0 " > Bottom: 0 < / div > < div class = " bottom-50 " > Bottom: 50% < / div > < div class = "

" bottom-100 " > Bottom: 100% </ div > < div class = " end-0 " > End: 0 (right in LTR) </ div > < div class = " end-50 " > End: 50% </ div > < div class = " end-100 " > End: 100% </ div > Card with Spacing ■ < div class = " card p-4 m-3 " > < div class = " card-body " > < h5 class = " card-title mb-3 " > Card Title </ h5 > < p class = " card-text mb-4 " > Card content with proper spacing. </ p > < button class = " btn btn-primary " > Action </ button > </ div > </ div > Responsive Layout ■ < div class = " container " > < div class = " row g-3 " > < div class = " col-12 col-md-6 " > < div class = " p-3 border " > < h4 class = " mb-3 " > Section 1 </ h4 > < p class = " mb-0 " > Content with consistent spacing. </ p > </ div > </ div > < div class = " col-12 col-md-6 " > < div class = " p-3 border " > < h4 class = " mb-3 " > Section 2 </ h4 > < p class = " mb-0 " > More content with spacing. </ p > </ div > </ div > </ div > Navigation Bar ■ < nav class = " navbar navbar-expand-lg navbar-light bg-light " > < div class = " container " > < a class = " navbar-brand me-4 " href = " # " > Brand </ a > < div class = " navbar-nav ms-auto " > < a class = " nav-link px-3 " href = " # " > Home </ a > < a class = " nav-link px-3 " href = " # " > About </ a > < a class = " nav-link px-3 " href = " # " > Contact </ a > </ div > </ div > </ nav > Best Practices ■ Consistent spacing : Use the spacing scale consistently throughout your application Responsive design : Always consider how spacing works across different screen sizes Semantic meaning : Use spacing to create visual hierarchy and improve readability Performance : Utility classes are optimized for performance and bundle size Maintainability : Use utility classes instead of custom CSS when possible Customization ■ You can customize the spacing scale by modifying CSS custom properties: :root { --bs-spacer : 1 rem ; --bs-spacers : ( 0 : 0 , 1 : calc ( var ( --bs-spacer ) \* 0.25 ) , 2 : calc ( var ( --bs-spacer ) \* 0.5 ) , 3 : var ( --bs-spacer ) , 4 : calc ( var ( --bs-spacer ) \* 1.5 ) , 5 : calc ( var ( --bs-spacer ) \* 3 ) ) ; } This allows you to maintain consistency while adapting the spacing to your design system.